

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2009; month=2; day=3; hr=10; min=59; sec=28; ms=422;]

=====

Application No: 10597926 Version No: 1.0

Input Set:

Output Set:

Started: 2009-01-19 19:17:12.376

Finished: 2009-01-19 19:17:13.112

Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 736 ms

Total Warnings: 0

Total Errors: 0

No. of SeqIDs Defined: 2

Actual SeqID Count: 2

SEQUENCE LISTING

<110> Ensoli, Barbara

<120> Novel Tat Complexes, And Vaccines Comprising Them

<130> 114-06

<140> 10597926

<141> 2009-01-19

<150> PCT/EP2005/003043

<151> 2005-03-11

<150> UK 0405480.5

<151> 2004-03-11

<160> 2

<170> PatentIn version 3.3

<210> 1

<211> 102

<212> PRT

<213> Human immunodeficiency virus type 1

<400> 1

Met Glu Pro Val Asp Pro Arg Leu Glu Pro Trp Lys His Pro Gly Ser
1 5 10 15

Gln Pro Lys Thr Ala Cys Thr Asn Cys Tyr Cys Lys Lys Cys Cys Phe
20 25 30

His Cys Gln Val Cys Phe Ile Thr Lys Ala Leu Gly Ile Ser Tyr Gly
35 40 45

Arg Lys Lys Arg Arg Gln Arg Arg Arg Pro Pro Gln Gly Ser Gln Thr
50 55 60

His Gln Val Ser Leu Ser Lys Gln Pro Thr Ser Gln Ser Arg Gly Asp
65 70 75 80

Pro Thr Gly Pro Lys Glu Gln Lys Lys Lys Val Glu Arg Glu Thr Glu
85 90 95

Thr Asp Pro Val His Gln
100

<210> 2
<211> 853
<212> PRT
<213> Human immunodeficiency virus type 1

<220>
<221> misc_feature
<222> (23)..(23)
<223> Xaa can be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (84)..(86)
<223> Xaa can be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (138)..(139)
<223> Xaa can be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (141)..(141)
<223> Xaa can be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (143)..(143)
<223> Xaa can be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (157)..(157)
<223> Xaa can be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (167)..(167)
<223> Xaa can be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (190)..(190)
<223> Xaa can be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (243)..(243)
<223> Xaa can be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (278)..(278)
<223> Xaa can be any naturally occurring amino acid

<220>

<221> misc_feature
<222> (281)..(281)
<223> Xaa can be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (286)..(286)
<223> Xaa can be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (349)..(349)
<223> Xaa can be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (426)..(426)
<223> Xaa can be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (674)..(674)
<223> Xaa can be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (751)..(751)
<223> Xaa can be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (761)..(761)
<223> Xaa can be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (795)..(795)
<223> Xaa can be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (814)..(815)
<223> Xaa can be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (817)..(817)
<223> Xaa can be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (830)..(830)
<223> Xaa can be any naturally occurring amino acid

<400> 2

Met Arg Val Thr Glu Ile Arg Lys Ser Tyr Gln His Trp Trp Arg Trp

1	5	10	15
Gly Ile Met Leu Leu Gly Xaa Leu Met Ile Cys Asn Ala Glu Glu Lys	20	25	30
Leu Trp Val Thr Val Tyr Tyr Gly Val Pro Val Trp Lys Glu Ala Thr	35	40	45
Thr Thr Leu Phe Cys Ala Ser Asp Ala Lys Ala Tyr Asp Thr Glu Val	50	55	60
His Asn Val Trp Ala Thr His Ala Cys Val Pro Thr Asp Pro Asn Pro	65	70	75
Gln Glu Val Xaa Xaa Xaa Asn Val Thr Glu Asn Phe Asn Met Trp Lys	85	90	95
Asn Asn Met Val Glu Gln Met His Glu Asp Ile Ile Ser Leu Trp Asp	100	105	110
Gln Ser Leu Lys Pro Cys Val Lys Leu Thr Pro Leu Cys Val Thr Leu	115	120	125
Asn Cys Thr Asp Leu Arg Asn Ala Thr Xaa Xaa Asn Xaa Thr Xaa Thr	130	135	140
Thr Ser Ser Ser Arg Gly Met Val Gly Gly Gly Glu Xaa Lys Asn Cys	145	150	155
Ser Phe Asn Ile Thr Thr Xaa Ile Arg Gly Lys Val Gln Lys Glu Tyr	165	170	175
Ala Leu Phe Tyr Glu Leu Asp Ile Val Pro Ile Asp Asn Xaa Ile Asp	180	185	190
Arg Tyr Arg Leu Ile Ser Cys Asn Thr Ser Val Ile Thr Gln Ala Cys	195	200	205
Pro Lys Val Ser Phe Glu Pro Ile Pro Ile His Tyr Cys Ala Pro Ala	210	215	220
Gly Phe Ala Ile Leu Lys Cys Lys Asp Lys Lys Phe Asn Gly Lys Gly	225	230	235
			240

Pro Cys Xaa Asn Val Ser Thr Val Gln Cys Thr His Gly Ile Arg Pro
245 250 255

Val Val Ser Thr Gln Leu Leu Leu Asn Gly Ser Leu Ala Glu Glu Glu
260 265 270

Val Val Ile Arg Ser Xaa Asn Phe Xaa Asx Asn Ala Lys Xaa Ile Ile
275 280 285

Val Gln Leu Asn Glu Ser Val Glu Ile Asn Cys Thr Arg Pro Asn Asn
290 295 300

Asn Thr Arg Lys Ser Ile His Ile Gly Pro Gly Arg Ala Phe Tyr Thr
305 310 315 320

Thr Gly Glu Ile Ile Gly Asp Ile Arg Gln Ala His Cys Asn Leu Ser
325 330 335

Arg Ala Lys Trp Asn Asp Thr Leu Asn Lys Ile Val Xaa Lys Leu Arg
340 345 350

Glu Gln Phe Gly Asn Lys Thr Ile Val Phe Lys His Ser Ser Gly Gly
355 360 365

Asp Pro Glu Ile Val Thr His Ser Phe Asn Cys Gly Gly Glu Phe Phe
370 375 380

Tyr Cys Asn Ser Thr Gln Leu Phe Asn Ser Thr Trp Asn Val Thr Glu
385 390 395 400

Glu Ser Asn Asn Thr Val Glu Asn Asn Thr Ile Thr Leu Pro Cys Arg
405 410 415

Ile Lys Gln Ile Ile Asn Met Trp Gln Xaa Val Gly Arg Ala Met Tyr
420 425 430

Ala Pro Pro Ile Arg Gly Gln Ile Arg Cys Ser Ser Asn Ile Thr Gly
435 440 445

Leu Leu Leu Thr Arg Asp Gly Gly Pro Glu Asp Asn Lys Thr Glu Val
450 455 460

Phe	Arg	Pro	Gly	Gly	Gly	Asp	Met	Arg	Asp	Asn	Trp	Arg	Ser	Glu	Leu	465	470	475	480
Tyr	Lys	Tyr	Lys	Val	Val	Lys	Ile	Glu	Pro	Leu	Gly	Val	Ala	Pro	Thr	485	490	495	
Lys	Ala	Lys	Arg	Arg	Val	Val	Gln	Arg	Glu	Lys	Arg	Ala	Val	Gly	Ile	500	505	510	
Gly	Ala	Val	Phe	Leu	Gly	Phe	Leu	Gly	Ala	Ala	Gly	Ser	Thr	Met	Gly	515	520	525	
Ala	Ala	Ser	Met	Thr	Leu	Thr	Val	Gln	Ala	Arg	Leu	Leu	Leu	Ser	Gly	530	535	540	
Ile	Val	Gln	Gln	Gln	Asn	Asn	Leu	Leu	Arg	Ala	Ile	Glu	Ala	Gln	Gln	545	550	555	560
His	Leu	Leu	Gln	Leu	Thr	Val	Trp	Gly	Ile	Lys	Gln	Leu	Gln	Ala	Arg	565	570	575	
Val	Leu	Ala	Val	Glu	Arg	Tyr	Leu	Arg	Asp	Gln	Gln	Leu	Leu	Gly	Ile	580	585	590	
Trp	Gly	Cys	Ser	Gly	Lys	Leu	Ile	Cys	Thr	Thr	Ala	Val	Pro	Trp	Asn	595	600	605	
Ala	Ser	Trp	Ser	Asn	Lys	Ser	Leu	Asn	Lys	Ile	Trp	Asp	Asn	Met	Thr	610	615	620	
Trp	Met	Glu	Trp	Asp	Arg	Glu	Ile	Asn	Asn	Tyr	Thr	Ser	Ile	Ile	Tyr	625	630	635	640
Ser	Leu	Ile	Glu	Glu	Ser	Gln	Asn	Gln	Gln	Glu	Lys	Asn	Glu	Gln	Glu	645	650	655	
Leu	Leu	Glu	Leu	Asp	Lys	Trp	Ala	Ser	Leu	Trp	Asn	Trp	Phe	Asp	Ile	660	665	670	
Thr	Xaa	Trp	Leu	Trp	Tyr	Ile	Lys	Ile	Phe	Ile	Met	Ile	Val	Gly	Gly	675	680	685	

Leu Ile Gly Leu Arg Ile Val Phe Ser Val Leu Ser Ile Val Asn Arg
690 695 700

Val Arg Gln Gly Tyr Ser Pro Leu Ser Phe Gln Thr His Leu Pro Ala
705 710 715 720

Ser Arg Gly Pro Asp Arg Pro Gly Gly Ile Glu Glu Glu Gly Gly Glu
725 730 735

Arg Asp Arg Asp Arg Ser Gly Pro Leu Val Asn Gly Phe Leu Xaa Leu
740 745 750

Ile Trp Val Asp Leu Arg Ser Leu Xaa Leu Phe Ser Tyr His Arg Leu
755 760 765

Arg Asp Leu Leu Leu Ile Val Thr Arg Ile Val Glu Leu Leu Gly Arg
770 775 780

Arg Gly Trp Glu Val Leu Lys Tyr Trp Trp Xaa Leu Leu Gln Tyr Trp
785 790 795 800

Ser Gln Glu Leu Lys Asn Ser Ala Val Ser Leu Leu Asn Xaa Xaa Ala
805 810 815

Xaa Ala Val Ala Glu Gly Thr Asp Arg Val Ile Glu Val Xaa Gln Arg
820 825 830

Ala Val Arg Ala Ile Leu His Ile Pro Arg Arg Ile Arg Gln Gly Leu
835 840 845

Glu Arg Ala Leu Leu
850